



HONOLULU FIRE DEPARTMENT

Kenneth G. Silva, Fire Chief
Alvin K. Tomita, Deputy Fire Chief

POWERS, DUTIES, AND FUNCTIONS

The City Charter of the City and County of Honolulu designates the Honolulu Fire Department (HFD) as the fire protection agency for the City and County of Honolulu. The HFD's responsibilities are to provide fire fighting, rescue, emergency medical and hazardous materials (hazmat) response for the entire island of Oahu, which is an area of 604 square miles. These duties are performed in a wide variety of terrain that include steep mountain ranges, wild lands, and agricultural fields; structures which comprise a modern metropolitan city, including industrial complexes, business centers, government complexes, high-rise resorts, condominiums, and high-density urban residential dwellings; and the ocean surrounding the island.

The fire chief and the deputy fire chief manage the operation and administration of the HFD and are responsible for carrying out the following functions mandated by the City Charter:

- Fire fighting and rescue work in order to save lives and property from fires and emergencies emanating from hazardous terrain, ocean rescues, and hazmat.
- Training, equipping, maintaining, and supervising fire fighters and rescue personnel.
- Monitoring the construction and occupancy standards of buildings for the purpose of fire prevention.
- Providing educational programs related to fire prevention.
- Performing other duties as may be required by law.

ORGANIZATION

The HFD consists of 1,092 uniformed personnel and 55 civilians totaling 1,147 employees. Personnel are organized into four divisions: Fire Operations, Administrative Services Bureau, Support Services, and Planning and Development (P&D). Each division is managed by an Assistant Chief (AC) who is responsible for the daily management of the division and provides executive support to the fire chief and deputy fire chief.

The department maintains a modern and technologically advanced force of fire-fighting and rescue personnel and equipment through its various activities administered by qualified professional leadership. The department continues to develop and conduct various programs such as reliable and efficient communication systems, fire apparatus maintenance and repair, training and research, and a coordinated city radio system. The fire prevention program, which includes inspections, investigations and enforcement of fire regulations, and a fire safety education program, continues to expand and grow with the latest trends and national standards of the fire service.

HONOLULU FIRE COMMISSION

The five fire commissioners are: Cynthia M. Bond, Sandra Au Fong, William "Buzzy" Hong, Jacob Ng, and Michael Yamaguchi. In September 2005, Elizabeth Ho replaced Cynthia M. Bond. In January 2006, Sylvia Waiwaiole-Hopfe replaced Sandra Au Fong.

The commissioners, assisted by a part-time secretary and an attorney from the Department of the Corporation Counsel, meet monthly with the fire chief, the deputy fire chief, and/or members of the fire chief's executive staff (ACs). The commission has accomplished the following:

- Reviewed the HFD's Executive Report for 2005, which consisted of the fire chief's vision and a statement of the HFD's goals and objectives.
- Established a blue-ribbon panel and the process in which to select the new fire chief.
- Selected the new fire chief.
- Addressed five public complaints and requests for information involving the HFD.
- Developed the Honolulu Fire Commission's budget for Fiscal Year (FY) 2006 and reviewed the HFD's budget for FY 2006-07.
- Attended various departmental and promotional ceremonies.

OFFICE OF THE FIRE CHIEF

Executive leadership, management, and strategic planning are the responsibilities of the fire chief and deputy fire chief. The Office of the Fire Chief is supported by two secretaries.

DEPARTMENT HIGHLIGHTS

- In July 2005, the HFD was recognized by the State Environmental Council for installing an exhaust filtration system on its apparatuses and for utilizing several energy-saving projects.
- In August 2005, at the Fire-Rescue International Conference in Denver, Colorado, the HFD was awarded a five-year reaccreditation status by the Commission on Fire Accreditation International, Inc.
- In August 2005, the Commission on Chief Fire Officer Designation (CFOD) awarded Retired Fire Chief Attilio K. Leonardi the renewal of his CFOD and awarded first-time CFODs to Retired Deputy Fire Chief John Clark and ACs Wayne Nojiri and Charles Wassman.
- On August 22, 2005, the HFD held a ceremony at the Charles H. Thurston Training Center (Training Center) to commemorate the conveyance of the Training Center property in fee simple title to the City and County of Honolulu from the U.S. Navy. The HFD recognized and acknowledged Senator Daniel K. Inouye for his assistance with the project.
- On August 15, 2005, a promotional ceremony was held at the Training Center to recognize 30 fire fighter IIs.
- On September 30, 2005, a Medal of Valor ceremony was held in the Mayor's Conference Room to present seven civilians with bronze medals for performing heroic deeds.
- On September 12, 2005, the HFD's 89th Fire Fighter Recruit (FFR) class commenced. The class consisted of 48 recruits.
- In October 2005, the HFD was recognized and awarded the American Red Cross-Hawaii Chapter and Central Pacific Bank's "True Blue Hero" award.
- On October 21-22, 2005, the HFD and the Hawaii Fire Fighters Association (HFFA) conducted a "Fire Ops 101" program, which was held in conjunction with the 2005 Redmond Symposium. This program brought a greater awareness and appreciation for the responsibilities and duties of a fire fighter to the selected civilian personnel who participated in five fire service-type events.
- In December 2005, the HFD participated in the annual Honolulu and Kapolei Electric Light Parades. The HFD had three fire apparatuses in the parade.
- On January 17, 2006, a Change of Command Ceremony was held at Honolulu Hale to commemorate the transfer of HFD command from Fire Chief Attilio K. Leonardi and Deputy Fire Chief John Clark to Fire Chief Kenneth G. Silva and Deputy Fire Chief Alvin K. Tomita.
- On February 21, 2006, the HFD moved into its new Headquarters, "Hale Kinai Ahi." An informal blessing ceremony was held for HFD employees.
- On February 27, 2006, a promotional ceremony was held at Hale Kinai Ahi to recognize two newly promoted ACs and two Battalion Chiefs (BC).
- On March 10, 2006, the HFD hosted the 7th Annual Retirees' Dinner at the Pacific Beach Hotel. The dinner was attended by 19 retirees and over 130 friends and family members.
- On March 21, 2006, Petty Officer First Class Larry Cummins was awarded the HFD "Civilian Medal of Valor" for saving the life of a young female.
- On April 19, 2006, a promotional ceremony was held at the Training Center to recognize ten fire captains.
- On April 24, 2006, a graduation ceremony for the 89th FFR Class was held at the Pacific Beach Hotel. There were 44 graduates from the classroom training portion of the FFR Program.
- In May 2006, the HFD announced that upon completion of the International Fire Service Accreditation Congress (IFSAC) administrative review process, it received approval to certify to the Driver/Operator Pumper, Driver/Operator Aerial, and Driver/Operator Tiller levels effective May 8, 2006.



New HFD Headquarters on 636 South Street.

- On June 21, 2006, a promotional ceremony was held at the Training Center to recognize a fire captain and 17 fire fighter IIIs.
- On June 27-30, 2006, the HFD, with assistance from the Department of Human Resources, conducted Candidate Physical Agility Tests (CPAT) for FFR applicants. Of the 266 applicants who participated, 221 passed.

FIRE OPERATIONS

The fire suppression force, or Fire Operations, is under the direction of an AC and is divided into three platoons. A platoon is the complement of fire fighters on any given day. The total number of companies in a platoon is 42 engine companies, 13 ladder or quint companies,

2 rescue companies, 2 hazmat companies, 2 tower companies, 1 fireboat company, 6 tankers, and 2 helicopters. Each platoon is divided into five battalions, each headed by a BC. Each BC oversees approximately 12 companies.

Fire Operations provides fire suppression; hazmat response; rescue and emergency medical services; conducts commercial dwelling inspections; prepares commercial and industrial prefire plans; conducts drills; keeps abreast of fire prevention and public relations programs, emergency medical techniques, fire fighter techniques, and sources and adequacy of water supply; and maintains grounds, buildings, apparatuses, and equipment.

Highlights

- On August 22, 2005, October 25, 2005, and May 4, 2006, in cooperation with Kapiolani Community College (KCC) and the Emergency Medical Services (EMS) Division of the Honolulu Emergency Services Department (HESD), the HFD conducted and participated in the quarterly mass casualty night exercises. These exercises serve the dual purpose of providing a drill scenario for current HFD and EMS personnel while giving KCC EMS students an opportunity for hands-on experience outside of the classroom.
- On September 4-9, 2005, Special Operations personnel attended the Continuing Challenge Hazmat workshop in Sacramento, California. Classes, demonstrations, and displays gave attendees further insight into equipment, principles, and techniques proven to be effective in handling hazmat incidents. Networking with industry experts and other emergency responders provided additional benefits.
- On September 13, 2005, the HFD participated in a Bio-Hazard Detection System Exercise at the U.S. Postal Facility at the Honolulu International Airport. This exercise involved various private, city, state, and federal agencies in a simulated alarm activation. Problems ranging from sample transport to the testing lab to affected airline flights were encountered and addressed.
- On October 11-13, 2005, the HFD, the State of Hawaii Hazard Evaluation and Emergency Response Office, and the National Guard 93rd Civil Support Team conducted a joint agency exercise.
- On October 22, 2005, Fire Operations assisted the HFFA in support of the Fire Ops 101 portion of the International Association of Fire Fighters' Redmond Symposium. This program was designed especially for government officials, members of the media, and other influential people whose decisions and actions directly affect fire departments' budgets, policies, and perceptions. Participants were given first-hand experience in areas such as medical emergencies, physical agility testing, and live-burn fire fighting. The consensus was that they gained a better understanding, respect, and appreciation for the job that fire fighters do.
- On February 23, 2006, personnel from Engine 8, 2nd Platoon, Engine 10, 2nd Platoon, all 2nd Platoon BCs, Battalion 1, 3rd Platoon, P&D, Fire Operations, and various City, State, and Federal agencies participated in the Tactical Interoperable Communications (TIC) exercise at Aloha Stadium.
- On March 14-17, 2006, the State Civil Defense activated and dispatched its Urban Search and Rescue Team members to Kauai to assist in the rescue operations after the Kaloko Dam tragedy.
- On March 20, 2006, personnel from Battalion 4, Hazmat, and the U.S. Air Force participated in a spill mitigation exercise at the Kaena Point Satellite Tracking Station.

ADMINISTRATIVE SERVICES BUREAU

The Administrative Services Bureau (ASB) provides administrative, personnel, logistic, and maintenance support to the fire suppression force. An AC is assisted by a staff consisting of two BCs, two fire captains, an administrative services officer, a personnel management specialist, a safety specialist, a personnel assistant, and a pool of clerical support staff. The ASB is responsible for overseeing the HFD's operating budget, property and inventory, personnel administration, and the administration of safety and health-related programs such as the Drug and Alcohol Program and the Infectious Disease Program. The HFD's Capital Improvement Project (CIP) and Community Development Block Grant (CDBG) funds are also under the purview of this bureau. Its expenditures for FY 2005-2006 are as follows:

CIP

Apparatuses

Acquisition of two pumpers \$ 934,000
One service truck (Mechanic Shop) 53,682

Fire Stations

Fire station building improvements \$2,000,000
Ewa Beach Fire Station relocation 50,000
Training Center (890 Valkenburgh Street) 300,000

CDBG

Apparatus

Acquisition of one pumper \$ 419,500

Mechanic Shop

The Mechanic Shop staff consists of a fire equipment superintendent, fire equipment repair supervisor, nine fire equipment mechanics, one mechanical repairer, one parts specialist, and two clerical support personnel. A fire equipment mechanic is always on 24-hour standby duty to support and serve the department. The Mechanic Shop is responsible for the repair and maintenance of the HFD's fleet consisting of 42 pumpers, eight aerial ladder, six quints, two aerial towers, two rescue units, two hazmat response apparatuses, seven tankers, 16 relief apparatuses, and approximately 78 auxiliary vehicles for land missions. Included for water rescues are a 110-foot fire boat, three rescue boats, and various jet skis and watercrafts assigned to various companies around the island.

Highlights

- Repaired and maintained more than 30,000 pieces of fire fighting equipment and tools from rescue powered tools to fire hoses.
- Designed and fabricated tools and equipment, performed annual certification of pumps, and conducted aerial and ground ladder testing for all fire fighting apparatuses.
- The Mechanic Shop is also tasked with the repair and maintenance of the Honolulu Police Department's (HPD) heavy equipment vehicles above 10,000 gross vehicle weight. This group consists of two special weapons vehicles, one bomb truck, one tactical truck, and one emergency management command truck.

Radio Shop

The Radio Shop provides planning, acquisition, maintenance, and repair services for the department's communication system, City Radio Communication System, and the City Paging System. The Radio Shop also provides repair services for the Oahu Civil Defense Agency (OCDA), Prosecuting Attorney, Liquor Commission, Medical Examiner, and the HESD's Ocean Safety Division.

The Radio Shop also services the Department's other electronic equipment such as light bars, sirens, opticoms, pagers, VCRs, and public address amplifiers. Repair service is also provided to maintain the mobile data computer system.

Highlights

- The department has been communicating on the City's 800 MHz Trunking Radio System for approximately one year. Three portable radios were initially distributed to every company. Two additional portable radios will soon be distributed to every company to outfit every fire fighter with a portable radio. This will allow every fire fighter on duty to be able to communicate by radio and to declare an emergency should he/she require emergency assistance.

This 800 MHz trunking radio system has the capacity to communicate with all of the City's first responders operating on this radio system. All of the department's radios are equipped with four interoperable talk groups. Communications with any city first responder can be easily accomplished by switching to one of these interoperable talk groups. The following city agencies have this new capacity:

HFD
HPD
EMS Division
Ocean Safety Division
OCDA
Oahu Transit Services
Medical Examiner

The department's chief officers have 16 additional interoperable talk groups to communicate with these agencies on the command level.

A preventative maintenance inspection program has been implemented to ensure that the 800 MHz radios will be in good working condition. Portables radios will be inspected annually and mobile radios will be inspected every two years.

The department's Alternate Radio Dispatch System will be used whenever the primary radio system fails. A tone encoder feature was added to operate the department's "Select Call" alerting system for the fire stations.

- The ACU1000 was installed in the Department's Mobile Command Center along with the associated radios, which provide interoperable communications between all levels of government. We now have the ability to communicate with the following agencies:
 - United States Army
 - Federal Fire Department
 - State of Hawaii, Sheriff Division
 - 93rd Civil Support Team
 - Hawaii Air National Guard
 - Federal Bureau of Investigation
 - State of Hawaii, Department of Land and Natural Resources
 - Hickam Fire Department
 - VHF Common (Any agency using this channel)
- The Radio Shop installed a public address system and a desktop radio in the HFD's new headquarters. The public address system will allow the chief officers to monitor the dispatch talk group in their offices, while the desktop radio will provide communications in the newly-built Emergency Operation Center.
- An Auxiliary Communication System is being planned for the department to be used in the event that our primary communication system is seriously damaged by a catastrophic event. We have acquired surplus portable radios from the HPD and surplus base stations from the Oahu Transit Services, Inc. Construction of this radio system is continuing.

City Radio

The City Radio Communication System consists of 400 mobile transceivers, five mountain top base stations, two control base stations, eight corporation base yard radio stations, and 40 remote control consoles.

Highlights

- The City Paging System is an island-wide paging system capable of handling 10,000 pagers. Any City agency is eligible to use the system, which consists of 12 paging transmitters and 1,200 pagers. The Department of Information Technology will terminate this paging service at the end of the year 2007.
- The EMS utilizes the City Paging System to disseminate information when dispatching emergency responses.
- The OCDA has already transitioned onto the City's 800 MHz Radio System. They operate one Maestro radio console, five mobile radios, and 85 portable radios.
- The Ocean Safety Division also transitioned onto the City's 800 MHz Radio System. They operate with five control stations and 105 portable radios.

Occupational Safety and Health Office (OSHO)

The HFD's OSHO is responsible for safety and health programs. It is committed to providing the HFD's personnel with a safe working environment by providing the highest standards of safety through education of its personnel, minimizing hazards through engineering, and enforcing the Hawaii Occupational Safety and Health Division (HIOSH) and the Occupational Safety and Health Administration (OSHA) laws and standards in addition to following established HFD policies and procedures.

The OSHO will periodically review and revise existing policies, procedures, and programs to ensure the safety and health of its personnel. It also establishes new safety and health programs to maintain compliance with applicable federal, state, and local safety laws to meet the growing needs of the department.

Regular Safety Committee meetings are conducted with union representatives to ensure the safety and health of its members, to establish new safety and health policies, and to update existing programs to minimize employee exposure to hazardous conditions at emergencies and at various worksites. It also acts as the department's liaison on safety and health-based issues.

Highlights

- Funding received from the United States Fire Administration's Assistance to Firefighters Grant (AFG) Program administered by the Federal Emergency Management Agency (FEMA) was used to purchase self-contained breathing apparatus (SCBA) upgrades. Rapid Intervention Crew equipment such as SCBA universal connections and AudiAlarms were purchased with AFG 2004 grant funds. Heads Up Display (HUD) units and ICM Tx 3000 and

4500 PASS devices have been purchased with AFG 2003 and 2005 grant funds. The upgrading of SCBAs with this new equipment is in progress.

- The HFD's Site Safety Assessment Program is a continuing program that was initiated in April 2003 to ensure the adherence of safety procedures. Site safety inspections for 2006 began in April and will continue through September.
- The department's safety manuals that were revised and reformatted into Standard Operating Guidelines were distributed to all HFD stations and bureaus in December 2005.
- Antiquated foam, wetting agents, and damaged containers containing Aqueous Film Forming Foam were removed from various stations and disposed of in September 2005.
- Three new SCBA positions were created. The SCBA Technician supervisory position has been filled. Interviews and selection of the SCBA Technicians will be completed in early FY 2007.

FIRE FISCAL

The financial report of the HFD for the FY ending in June 30, 2006, is presented below.

The total operating expenditures for the department's Fire Protection Program for FY 2005-06 amounted to \$70,351,521. Expenditures for the previous year amounted to \$66,739,415, which was an increase of \$3,612,106 or 5.4%.

	<u>FY 2005-06</u>	<u>FY 2004-05</u>	<u>Variance</u>	<u>Percent</u>
Salaries	\$62,906,289	\$59,925,736	\$2,980,553	5.0%
Current Expenses	6,953,248	6,420,055	533,193	8.3%
Equipment	491,984	393,624	98,360	25.0%
	<u>\$70,351,521</u>	<u>\$66,739,415</u>	<u>\$3,612,106</u>	5.4%

The composition of expenditures by character of expenditure is as follows:

	<u>FY 2005-06</u>	<u>Percent</u>
Salaries	\$62,906,289	89%
Current Expenses	6,953,248	10%
Equipment	491,984	1%
	<u>\$70,351,521</u>	100%

Per Ordinance 05-014, the appropriations for FY 2005-06 total \$68,120,909 in the General Fund. Additional funds totaling \$3,715,558 were provided from the Provision for Salary Adjustment Account (Resolution 05-361 \$3,701,767 and Resolution 05-333 \$13,791).

Salaries and Wages

The HFD had 1,148.5 funded positions. There were approximately 82 vacant positions on June 30, 2005.

<u>Appropriation</u>	<u>FY 2005-06</u>	<u>FY 2004-05</u>	<u>Variance</u>
Salaries	\$63,586,499	\$61,843,612	1,742,887
Current Expenses	7,709,065	6,234,176	1,474,889
Equipment	540,903	464,859	76,044
Total	<u>\$71,836,467</u>	<u>\$68,542,647</u>	<u>\$3,293,820</u>

Fireboat

The fireboat is owned by the State Department of Transportation and is funded by Act 171, SLH 1963 (Hawaii Revised Statutes 85 T15, Section 266-22).

<u>Expenditures</u>	<u>FY 2005-06</u>	<u>FY 2004-05</u>	<u>Variance</u>
Salaries	\$1,116,840	\$ 1,067,190	\$49,650
Fringe Benefits	293,103	240,002	53,101
Indirect Cost	145,190	126,569	18,621
Current Expenses	207,977	132,636	75,341
Equipment	54,085	32,508	21,577
Total	<u>\$1,817,195</u>	<u>\$1,598,905</u>	<u>218,290</u>

Revenues and Other Collections

Total revenues and other collections received amounted to \$1,914,050.83. Significant receipts included a \$1,262,934.67 reimbursement from the State for fireboat operations; \$510,415 from fire code permits and licenses; and \$63,900 from rental income for housing ambulances at fire stations.

SUPPORT SERVICES

Under the direction of an AC, Support Services is responsible for managing and coordinating the operations of the Community Relations Office, the Fire Communication Center, the Fire Prevention Bureau, and the Training and Research Bureau.

Community Relations Office (CRO)

The CRO is the liaison between the community and the HFD. It is primarily responsible for coordinating ceremonies, funerals, and other events for the HFD. When requested by the public, the CRO coordinates fire apparatuses and personnel to promote fire safety awareness and education. The CRO also manages two important fire safety programs for the State: the Fire Fighter's Safety Guide (FFSG) for elementary school students and FFSG for senior citizens. The CRO is responsible for implementing partnerships with the private sector and nonprofit organizations to support fire safety education and other public or community goals.

Highlights

- On August 15, 2005, coordinated a promotional ceremony for 30 fire fighter IIs at the Training Center.
- On September 11, 2005, coordinated and participated in the commemoration ceremony of the fourth anniversary of the terrorist attacks on September 11, 2001.
- On September 30, 2005, coordinated a Medal of Valor ceremony to recognize nine citizens for their vigilance, quick response, and heroism displayed while engaging in rescues of individuals who were in danger.
- During Fire Prevention Week in October 2005, the CRO coordinated the state-wide distribution of the 20th anniversary edition of the FFSG. The cover of this guide featured American Idol finalist Jasmine Trias from Hawaii and contained several historic facts about the FFSG along with safety messages for its readers.
- On February 27, 2006, coordinated a promotional ceremony for two BCs and two ACs at the HFD's Headquarters auditorium.
- On March 21, 2006, coordinated a Medal of Valor ceremony to recognize Petty Officer First Class Larry Cummins for his heroism on January 14, 2006. Petty Officer Cummins dove repeatedly into the water near the Waikiki Yacht Club and rescued a 15-year-old girl from a car that was driven off the pier and submerged.
- On April 19, 2006, coordinated a promotional ceremony for 10 fire captains at the Training Center.
- On June 21, 2006, coordinated a promotional ceremony for 17 fire fighter IIIs at the Training Center.
- Coordinated funeral services for 15 retired HFD personnel and 1 former HESD employee. This allowed the department to perform a final gesture in recognizing the efforts of a true servant and for members to pay their last respects to a fellow fire fighter.
- The CRO coordinated the distribution of 153 cuddle bears to various companies in the field. This program was established in order for fire fighters to console and comfort young children at the scene of a traumatic event. Positive feedback received from the families of these young recipients is a true reward for HFD personnel.
- The CRO coordinated and participated in 63 community projects. Most of these projects involved numerous charities and agencies that have benefited the community. The following are just a handful of those agencies and charitable organizations:
 - American Red Cross
 - American Cancer Society
 - Hawaii Food Bank, Inc.
 - Parents and Children Together
 - Ready to Learn
 - Children and Youth Day
 - King Kamehameha Celebration Commission
 - Muscular Dystrophy Association

Fire Communication Center (FCC)

The FCC continues to be the vital link between the public and the fire suppression force. Through a modern system of communication equipment, including the Computer-Aided Dispatching System, an 800 MHz radio system, and Mobile Data Terminals (MDTs), the FCC receives fire, rescue, and emergency medical service calls and efficiently and rapidly dispatches fire, rescue, and/or hazmat companies to any location on Oahu.

In addition, they maintain direct contact with other emergency organizations/agencies such as the HPD, the HESD, the Federal Fire Department, the U.S. Coast Guard, the State Civil Defense, the OCDA, the Board of Water Supply, the Hawaiian Electric Company, Honolulu Harbor, Ramp Control at the Honolulu International Airport, the Hickam Fire Dispatch, the Regional Dispatch Center (RDC) on Pearl Harbor, the Federal Bureau of Investigation, the Department of Land and Natural Resources (DLNR), Forestry Division, and various local and mainland central alarm companies.

With the addition of new technology and the above-mentioned agencies, the FCC has many new capabilities to assist in interagency communications or "interoperability" at any scene or incident on Oahu.

Highlights

- The HFD has use of a fully integrated 800 MHz radio system. Improved quality and reception of radio transmissions has increased island coverage. The new system has allowed all emergency responders the ability to access each others' dispatch, thereby resulting in communication for all personnel, even at the lowest levels.
- The HFD has recently installed new MDT computers on each of its fire apparatuses. This enables the company commander to obtain timely information such as address, nature of the incident, other responding companies, etc. from the FCC, as well as the ability to obtain other valuable information that can be downloaded or viewed while responding to an incident. This capability is a great tool which will enhance the HFD's ability to provide outstanding service to the public.
- A new backup radio system which utilizes Voice Over Internet Protocols (VoIP) has been installed at the FCC and at each fire station. This new technology will be used in the event the frontline radio system experiences problems or in the event of a catastrophic shutdown. The new VoIP will be utilized to maintain radio contact with each station, portable, and mobile radio via internet connectivity.

The HFD, through the FCC, continues to support and participate in researching the possibility of creating a Joint Traffic Management Center where the traffic division and all public safety dispatch centers would be combined. This would entail all communication or dispatch centers to be located in the same building, allowing for quick access and interagency cooperation during a large-scale incident. This center is anticipated to be operational by 2010.

FY 2005 Response Statistics and Significant Incidents

Fire and Emergency Statistics

	<u>FY 2006</u>	<u>FY 2005</u>	<u>FY 2004</u>
Fire-Related*	15,076	10,570	10,766
Fires			
Rescues			
Hazmat			
Good Intent Calls			
Service Calls			
False Calls			
Other			
Emergency Medical Related	*35,364	34,168	32,944
Total Dollar Loss*	\$21,309,695	\$14,326,646	\$12,274,465
Deaths **			
Fire Personnel	0	0	0
Civilians	2	12	7
Injuries*			
Fire Personnel Casualties	36	28	17
Civilian Casualties	38	26	32

**Statistics collected from the Department's National Fire Incident Report System*

***Fatalities based on the Honolulu Fire Investigator database*

Significant Events:

- Department personnel responded to 35 building fires that resulted in a fire loss of \$100,000 or more. The significant fires with over \$500,000 in fire loss during this period were:
 - 1058 Puuwai Street, Kalihi Kai, August 11, 2005, \$600,000.
 - 983 Ala Lehua Street, Salt Lake, January 30, 2006, \$525,000.
 - 3151 Huelani Place, Manoa, February 11, 2006, \$500,000
 - University Lab School , Manoa, June 13, 2006, \$7,500,000
- Department personnel responded to 601 brush fires from May 1, 2005, through August 31, 2005. During the same period in 2004, the department responded to 383 brush fires. The



The University of Hawaii Laboratory School Fire - June 13, 2006.

difference represents a 157% increase in brush fires from May 1, 2005, through August 31, 2005.

- The City and County of Honolulu experienced heavy rainfall during March 2006, which caused flooding on the Windward side of Oahu. Department personnel responded to 102 water evacuation or flooding conditions during March 2006. Personnel assisted in removing residents from homes who were impacted from the flooding. They also tried to minimize property damage by diverting water and excavating water from residences.



Training and Research Bureau (TRB)

The result of 40 days of rain - March 2006.

The TRB, located at the Training Center, assists with planning, coordinating, and evaluating the HFD's training activities. To fulfill the department's mission statement, quality, dynamic, and essential training is provided for all department personnel through various training programs. These programs help to ensure that responses to incidents, emergencies, and public assistance are performed in a safe, efficient, friendly, and professional manner.

The TRB conducts new and continuing research and testing on the latest technology and techniques in the areas of apparatus operations, driver training, emergency medical response, fire fighting, hazmat, rescue operations, terrorism, water safety, and more. The TRB also coordinates cardiopulmonary resuscitation (CPR) instruction for the general public.

TRB personnel are committed to developing highly trained, professional, and motivated personnel who provide quality service to the residents of the City and County of Honolulu. During FY 2006, the TRB coordinated training for over 2,265 students.

Administration Section

This section is responsible for maintaining the Training Center and scheduling and/or coordinating its daily operations. The Training Center maintains an active schedule by facilitating instructional programs of the TRB and external organizations such as the American Heart Association, the IFSAC, the National Fire Academy (NFA), and the National Safety Council.

This section oversees the personnel training data in the Records Management System (RMS). The RMS provides fire personnel the ability to input and extract data in areas such as incident reporting, training documentation, and occupancy information.

Development and Certification Section

This section promotes professional development through ongoing developmental programs and prepares HFD personnel for the challenge of certification. The HFD maintains accredited status from the IFSAC to certify personnel to the National Fire Protection Agency (NFPA) driver/operator-aerial, driver/operator-pumper, driver/operator-tiller, fire fighter I, fire fighter II, fire service instructor I, and Hazmat Awareness and Operations levels. This section maintains current certification criteria, prepares future HFD programs for IFSAC accreditation, and coordinates a cadre of third-party evaluators to supplement the certification program.

Medical Section

The Medical Section is responsible for conducting initial and recurrent medical training for the department's personnel, reviewing medical emergency responses and documentation, coordinating CPR classes for the general public, and managing public health awareness programs. A medical director oversees this section's programs and quality control is measured through continuous audit, review, query, and reports on operations recorded in the National Fire Incident Reporting System 5.0/Advanced Emergency Medical Service incident reports and cardiac arrest rescue link data specific to all emergency medical responses.

This section is responsible for managing the HFD's Automatic External Defibrillator (AED) Program. Since its inception, over 113 persons have been saved using an AED and/or CPR.

Fire Operations/Special Operations Section

This section is responsible for developing and coordinating instruction and training for personnel in such areas as water safety, rescue watercraft operation, automobile extrication, fire fighter recruit training, night exercises and drills conducted at the Training Center, hazmat incident management, hazmat technician, hazmat operations level, and weapons of mass destruction awareness.

In addition, the Special Operations Section serves as a liaison between federal, state, and city agencies.

Apparatus Operations Section

This section is responsible for maintaining an HFD compliance program that meets or exceeds Federal and State Department of Transportation (DOT) Commercial Drivers License (CDL) requirements. In addition, this section administers the following programs to address national standards, licensing, or Department requirements:

- Apparatus Operation Training
- City Operator's Certification Training
- Driver Improvement Training
- Emergency Vehicle Operator's Course
- Forklift and All-Terrain Vehicle Operator Course
- National Safety Council's Defensive Driving Course
- Vehicle Accident Review

This section relies upon Fire Operations to provide decentralized training and recertification through the department's Field Driver Training and Fire Fighter III Driver Training Programs.

Highlights

- For FY 2005-2006, the HFD's AED program recorded more than 600 applications of its AEDs. Of that total, electrical shocks were delivered to 121 patients, with 19 producing positive results.
- TRB personnel conducted the following classes, seminars, and training:
 - Hazmat Operating Site Practices on July 25 - August 5, 2005
 - Incident Safety Officer on October 20-21, 2005
 - Redmond Symposium 2005 Fire Ops 101 on October 21-22, 2005
 - Strategies and Tactics for Initial Company Operations on May 4-5, 2006
 - Arson Detection for The First Responder on June 29-30, 2006
 - CPR for Family and Friends for 2,006 individuals
 - Water Safety Refresher training for 354 HFD personnel
 - Rescue Watercraft Field Operator training for 36 HFD personnel
 - Rescue Watercraft Refresher training for 96 HFD personnel
 - Auto Extrication/Vehicle Extrication for 160 HFD personnel
- TRB personnel met with HPD personnel to assist in establishing a CDL training program for operators of their vehicles.
- On July 21, 2005, with the assistance of Senator Daniel K. Inouye, the City and County of Honolulu acquired a 5.16-acre parcel of land from the U.S. Department of the Navy. The Training Center and the Mokulele Fire Station are currently situated on the property.
- TRB personnel coordinated an HFD Hazmat Tactical Skills Training course that concluded on August 11, 2005, in which 25 students completed 192 hours of hazmat technician training.
- On September 12, 2005, the HFD commenced a 32-week training program for 49 members of its 89th Fire Fighter Recruit (FFR) class. Of the 49 FFRs, 44 successfully completed training and testing for the IFSAC Fire Fighter I and Hazmat Awareness Certification, National Registry EMT-B Certification, and certification for the IFSAC Hazmat Operations Pilot Program. They graduated on April 24, 2006, at the Pacific Beach Hotel.
- On September 13, 2005, TRB personnel assisted the U.S. Postal Service with a Bio-Detection System drill.
- On May 8, 2006, the HFD received approval from the IFSAC to certify driver operators at the Pumping Apparatus, Aerial Apparatus, and Tiller levels.
- On May 18, 2006, the HFD's Helix server installation was completed. This server will be the department's repository for computer-based training programs in upcoming years.
- On June 27-30, 2006, the TRB coordinated and administered the CPAT for 266 candidates at the Neal S. Blaisdell Center's Exhibition Hall.

Fire Prevention Bureau (FPB)

The FPB's mission is to effectively promote fire and life safety programs that assist the HFD in accomplishing its mission of mitigating loss of life, property, and damage to the environment.

Hawaii State law and the City Charter assign the following responsibilities to the fire chief:

- Review and adopt fire codes
- Conduct fire code compliance inspections
- Investigate fires to determine origin and cause
- Review building construction fire plans
- Provide fire safety education to the community

The fire chief fulfills these responsibilities through the efforts of the FPB, which is staffed with 35 uniformed employees and two civilians. The FPB is organized functionally into the following sections: Administration, Codes Enforcement, Education, Fire Investigations, and Fire Plans Review.

Highlights

- In October 2005, the FPB completely revised its Company Inspection Program to allow fire operations to conduct inspections in accordance with the currently adopted Fire Code of the City and County of Honolulu. The revisions expanded the responsibilities of Fire Operations, utilized a training digital video disc, and implemented a pocket-size inspection field guide to allow personnel to conduct more thorough inspections.
- The three codes sections continued to prioritize fire inspections based on the Department's Risk Assessment Plan. Fire inspection forms and processes were revised to streamline code compliance. This is reflected in significant increases in Notices of Violations and Final Notices. Biennial inspections of healthcare, correctional, daycare, and preschool facilities were established to reduce the workload of fire inspectors. However, these types of inspections still remain statutorily compliant. Despite program setbacks, the FPB continues to meet its statutory requirement of inspecting all buildings in two years, except public schools, by exploring best practices of like jurisdictions and working with the City's Department of Information Technology.
- The FPB continues to monitor compliance with Ordinance 01-53, which requires existing high-rise business buildings to be retrofitted with automatic fire sprinklers and other life-safety measures by May 2008. Sixty-six of 73 buildings have met the 60-day requirement and two are in final notice. Two city buildings were sent letters requesting status updates and two state buildings are pending status reports. One building was recently renovated and retrofit requirements are being addressed.
- On May 16, 2006, the City's Administration met with various city agencies to provide input on possible incentives that were identified in a Residential Fire Safety Advisory Committee report dated May 31, 2005. These incentives, if implemented, could reduce the cost of retrofitting existing residential high-rise buildings with automatic fire sprinklers and other life safety measures.
- There were three fire fatalities during the reporting period. The first victim was involved in an automobile fire. Although the automobile fatality occurred on federal property, the investigation was conducted by the HFD and eventually the HPD as part of a criminal investigation. The second fire fatality was initiated by the victim. The third fire fatality involved a young child whose brother initiated the fire with a lighter. Fire investigators become actively involved in investigating wildland fires at the request of police and fire personnel when a suspect or possible suspects were identified.
- There were increases of 42% and 27%, respectively, in issued fireworks licenses and public display permits since last FY. There was a 60% increase for special permits and a corresponding nine percent decrease in Satellite City Hall-issued fireworks permits. According to the State Department of Health, fireworks-related injuries on Oahu increased 17% from the previous FY. The HPD's fireworks-related calls increased 80%.
- The Youth Firesetter Program (YFP) is in its third year of providing education and counseling to identified youth(s) regarding the dangers and consequences of playing with fire. The YFP received 11 referrals, which included youth ages 4-13 years old. Referrals were received from parents, fire companies, fire investigators, teachers, and a physician. Five of the 11 youths completed the program and were given Certificates of Completion. Reasons for those not completing the program were due to parents canceling or not meeting appointments or the inability to contact parents or guardians.
- The State Fire Council (SFC) conducted quarterly meetings at each county to develop a comprehensive fire service management network for the protection of life, property, and environment throughout the State of Hawaii. The SFC addressed issues such as the adoption of the next State Fire Code, application and expenditure of Federal grant assistance, standardization of procedures and forms related to inspections, investigations, reporting of fires, and advising the governor and the Legislature on fire prevention, protection, and life safety. The SFC commenced its review of the NFPA 1, Uniform Fire Code, 2006 Edition, as the next State Fire Code. Projected adoption is in 2007.
- The SFC submitted seven legislative bill proposals. The bill relating to revisions to the fireworks definitions and allowing counties to designate authorized issuers of fireworks permits passed; two resolutions regarding the inspec-

tion of state airports by the DOT and staffing for the SFC passed; all other bills failed. The SFC supported the passage of an arson law and a brush fire penalty law. Both measures passed and became laws. The SFC will continue to work with legislators, the State Department of Labor and Industrial Relations, the Department of the Attorney General, and other stakeholders prior to the next session.

- In partnership with other county fire departments, the SFC delivered six NFA courses to 259 fire fighting personnel statewide through a FEMA grant.

Statistics

FY 2005-2006

Codes Enforcement

<u>Inspection by Risk Category</u>	<u>FY 04-05</u>	<u>FY 05-06</u>	<u>Difference</u>	<u>% Change</u>
Maximum	301	1,530	1,229	408
High/Special	767	472	-295	-38
Moderate/Special	1,326	291	-1,035	-78
Low	300	230	-70	-23
Total Inspections	2,694	2,523	-171	-6

<u>Occupancy Inspections</u>	<u>FY 04-05</u>	<u>FY 05-06</u>	<u>Difference</u>	<u>% Change</u>
Assembly "A"	345	303	-42	-12
Business "B"	1,154	761	-393	-34
Retail and Wholesale "M"	222	480	258	116
Warehouse and Storage "S"	109	203	94	86
Educational Facilities "E"	74	124	50	68
Institutions "I"	89	106	17	19
Hazardous Facilities "H"	219	222	3	1
Residential "R1"	617	310	-307	-50
Factory "F"	23	54	31	135
Total Inspections	2,852	2,563	-289	-10

<u>Permit Inspections</u>	<u>FY 04-05</u>	<u>FY 05-06</u>	<u>Difference</u>	<u>% Change</u>
Assemblies	27	37	10	37
Flammable Finishes	62	42	-20	-32
Fireworks	157	229	72	46
Total Inspections	246	308	62	25

<u>Other Activities</u>	<u>FY 04-05</u>	<u>FY 05-06</u>	<u>Difference</u>	<u>% Change</u>
Notices of Fire Hazard	11	25	14	127
Night Inspections	165	107	-58	-35
Referrals	446	400	-46	-10
Reinspections	1,898	2,666	768	40
Notices of Violation	459	1,402	943	205
Orders to Comply	112	67	-45	-40
Final Notices	29	96	67	231
Total Other Activities	3,120	4,763	1,643	53

Plans Review

<u>Activities</u>	<u>FY 04-05</u>	<u>FY 05-06</u>	<u>Difference</u>	<u>% Change</u>
Plans Approved	1,076	1,312	236	22
Flammable/Combustible Permits	29	41	12	41
Liquefied Petroleum Gas Permits	44	55	11	25
Temporary Structure Permits	35	21	-14	-40
Fire Alarm System Tests	263	251	-12	-5
Range hood System Tests	51	62	11	22
Total Activities	1,498	1,742	244	16

<u>Other Activities</u>	<u>FY 04-05</u>	<u>FY 05-06</u>	<u>Difference</u>	<u>% Change</u>
Correspondence Generated	413	330	-83	-20
Plans and Permit Totals	1,911	2,072	161	8
Total Other Activities	2,324	2,402	78	3
Total Activities	3,822	4,144	322	8

Fire Investigations

Activities	FY 04-05	FY 05-06	Difference	% Change
Structure Fire Investigations	122	112	-10	-8
Automobile Fire Investigations	6	6	0	0
Wildland Fire Investigations	1	2	1	100
Other	3	7	4	133
Total Activities	132	127	-5	-4

Education

Activities	FY 04-05	FY 05-06	Difference	% Change
Fairs	13	24	11	85
Fire Extinguisher Classes	67	55	-12	-18
Fire Evacuation Drills	61	45	-16	-26
Fire Evacuation Planning	16	15	-1	-6
Fire and Life Safety Presentations	57	98	41	72
Keiki House	31	30	-1	-3
Total Activities	245	267	22	9
Total Audience	44,005	106,902	62,897	143

Administration

Activities	FY 04-05	FY 05-06	Difference	% Change
Fireworks Licenses	112	160	48	43
License Fees Collected	\$91,000	\$121,000	\$30,000	33

Fireworks Permits	FY 04-05	FY 05-06	Difference	% Change
Public Displays	43	55	12	28
Special	146	234	88	60
Satellite City Halls	15,662	14,210	-1,452	-9
Total Permits	15,851	14,499	-1,352	-9

State Department of Health	FY 04-05	FY 05-06	Difference	% Change
Fireworks Injuries	122	143	21	17

HPD	FY 04-05	FY 05-06	Difference	% Change
Fireworks-related Calls	949	1717	768	81

Inspections	FY 04-05	FY 05-06	Difference	% Change
Preschools/Daycare	165	168	3	2

Other Activities	FY 04-05	FY 05-06	Difference	% Change
Correspondence	522	341	-181	-35
Final Notices Issued	33	96	63	191
Order to Comply Letters Issued	127	67	-60	-47
Referrals	287	333	46	16
Total Other Activities	969	837	-132	-14

SFC

Man Days (8 hours)	FY 04-05	FY 05-06	Difference	% Change
BC	52	0	0	0
Fire Captain	110	100	-10	-9
SFC Administrative Assistant	182	179	-3	-2
In-Kind Contributions (\$) to the SFC	\$34,504	\$33,845	-659	-2

Company Inspection Program

Inspections	FY 04-05	FY 05-06	Difference	% Change
Residential	196,174	179,702	-16,472	-8
Assembly	318	427	109	34
Business	10,209	6,222	-3,987	-39
Factory	292	290	-2	-1
Education	342	312	-30	-9
Storage	531	624	93	18
Mercantile	*	1,029	1,029	
Utility	*	497	497	
Transportation*	38	*		
Miscellaneous*	473	*		
Total Inspections	208,382	189,103	-19,274	-9

*Categorization modified from FY 04-05

PLANNING AND DEVELOPMENT (P&D)

Under the direction of an assistant chief, P&D assists the fire chief and deputy fire chief by coordinating the Department's overall short- and long-term planning, operational, and quality improvement processes.

The P&D reviews, researches, and monitors emerging national, state and city legislation, regulations, trends, events, and past department performance to establish goals and objectives necessary to realize the HFD's mission.

In addition, P&D is responsible for developing and maintaining other critical department plans, which includes emergency operations/disaster plans, standards of response coverage plans, deployment plans and other risk mitigation, and preparedness strategies.

The AC is the Department liaison for interagency coordination with the OCDA, the State Civil Defense, and the City's Administration on various island-wide and statewide issues.

Timely, meaningful information is critical for effective and efficient department management. P&D monitors and evaluates the functions performed by the records management system and recommends improvements to enhance the department's data collection and reporting processes. The Management Analyst conducts statistical analyses on all aspects of the department's operations and establishes benchmarks and performance measures to ensure that goals and objectives are being achieved.

Grant management continues to be an increasingly important function of P&D. Grant funding allows the department to improve services to the community by providing for new or additional equipment, training, and resources. P&D provides the coordination of grant management processes including applications, budgets, procurement, and reporting.

P&D provides research and development of new programs and evaluates existing programs and services to improve department efficiency and effectiveness. Over the past year, these included interoperable voice and data communications and improvement of the record management and geographical information systems.

The AC chairs and oversees the HFD's Board of Inquiry, which is composed of the department's executive officers and investigates accidents, complaints, personnel matters, and other occurrences that are of a confidential nature.

P&D continues to produce the HFD's newsletter, Hale Ahi News, and manages the department's program recommendation format: Subject, Objective, Problem, Proposal, Advantages, Disadvantages, Actions (SOPPADA).

Grant Management

Assistance to Firefighters Grants (AFG)

- The department was awarded a \$717,270 grant to purchase safety equipment for its SCBA.
- The department closed out the AFG 2003 and AFG 2004 grants, which were used to purchase necessary safety equipment.

Department of Forestry and Wildlife (DOFAW) Grant

- The \$100,000 award was used to purchase brushfire equipment and tools.

Highlights

- Assisted the City in developing the Tactical Interoperable Communication (TIC) Plan, which is a requirement of the U.S. Department of Homeland Security.
- Coordinated the Functional Communication Exercise on February 23, 2006, to develop interoperable communication processes.
- Conducted coordination and collaboration meetings to design a TIC full-scale exercise to validate the City's TIC Plan. The exercise was conducted on July 28, 2006.
- Coordinated the Honolulu On-Line System for Emergency Services (HOSSES) project, which is currently being beta tested. The final delivery of the application is due by October 2006.